



2. The assumption is you will always start as a Current Tissue Code (CTC) A, diving at sea level (which means Level 1 tables) and using normal air to breathe (21%)

3. What is your Surfacing Code (SC) if you dive for 37 mins at 12 mtrs?
 - a) Look down DEPTH column to 12 mtrs
 - b) Trace right along row to 37 mins
 - c) Trace down to row called 'SURFACING CODE'
 - d) SC is 'C'

4. How long can you dive to 21 mtrs if you want end your dive on Surfacing Code E
 - a) You can't dive to 21 mtrs

5. What is the maximum depth you could go to if you wanted a 65 mins dive
 - a) Move across to column that sits above SC 'F' on SURFACING CODE column
 - b) Move upwards 'til you find at least 65 mins (in this case 74 mins)
 - c) Trace left to DEPTH column
 - d) Max Depth is 15 mtrs

6. Assuming you have completed your first dive and your Surface Code is D, what would be your new Current Tissue Code if you entered the water again 90 mins later?
 - a) Go to SURFACE INTERVAL TABLE LEVEL 1
 - b) Go down 'Last Dive SURFACING CODE' column to 'D'
 - c) Trace right across row until you hit 90 mins in top row (white showing times)
 - d) New CTC is 'C'

7. Assuming you have completed your first dive and your Surface Code is F, what Surface Interval (SI) is needed to reduce your CTC to B?
- a) Go to SURFACE INTERVAL TABLE LEVEL 1
 - b) Go down 'Last Dive SURFACING CODE' column to 'F'
 - c) Trace right across row until you hit start of 'B'
 - d) Trace upwards to white showing times
 - e) Min SI is 4 hrs

2 DIVE PLANNING

Question

- Dive 1 – 18 mtrs for 20 mins
 - Surface Interval 2 hrs
 - Dive 2 – 15 mtrs
 - What maximum time can be dived?
- f) DIVE 1
 - g) On Level 1 Table A, look down DEPTH column to 18 mtrs
 - h) Trace right along row to 20 mins (37 mins in this case)
 - i) Trace down to row called 'SURFACING CODE'
 - j) SC is 'D'
 - k) NEW CTC
 - l) Go to SURFACE INTERVAL TABLE LEVEL 1
 - m) Go down 'Last Dive SURFACING CODE' column to 'D'
 - n) Trace right across row until you hit 90 mins in top row (white showing times)
 - o) New CTC is 'C'
 - p) DIVE 2
 - q) On Level 1 Table C, look down DEPTH column to 15 mtrs
 - r) Trace right along row to last time BEFORE the yellow section i.e. before going into decompression diving
 - s) Max time is 24 mins

8. Question

- a) Dive 1 – 20 mtrs for 35 mins
- b) Surface Interval – 80 mins
- c) Dive 2 – 25 mins
- d) What maximum depth can be dived?
- e) DIVE 1
- f) On Level 1 Table A, look down DEPTH column to 20 mtrs (21 mtrs in this case)
- g) Trace right along row to 35 mins (37 mins in this case)
- h) Trace down to row called 'SURFACING CODE'
- i) SC is 'D'
- j) NEW CTC
- k) Go to SURFACE INTERVAL TABLE LEVEL 1
- l) Go down 'Last Dive SURFACING CODE' column to 'D'
- m) Trace right across row until you hit 80 mins in top row (white showing times)
- n) New CTC is 'C'
- o) DIVE 2
- p) On Level 1 Table C, look down DEPTH column to 15 mtrs
- q) Trace right along row to last time BEFORE the yellow section i.e. before going into decompression diving
- r) Move upwards 'til you find at least 25 mins (in this case 44 mins)
- s) Trace left to DEPTH column
- t) Max Depth is 12 mtrs

9. Question

- a) Dive 1 - 19 mtrs for 30 mins
- b) Dive 2 – 15 mtrs for 25 mins
- c) Surface Interval – ????
- d) What minimum Surface Interval is required to be able to complete dive 2?
- e) DIVE 1
- f) On Level 1 Table A, look down DEPTH column to 19 mtrs (21 mtrs in this case)
- g) Trace right along row to 30 mins (32 mins in this case)
- h) Trace down to row called 'SURFACING CODE'
- i) SC is 'E'
- j) DIVE 2
- k) On Level 1 Tables, start at Table F (highest CTC Ocean Divers can be), trace right along row to last time BEFORE the yellow section i.e. before going into decompression diving
- l) Trace right along row to last time BEFORE the yellow section i.e. before going into decompression diving
- m) Move upwards to check that you can do 15mtr dive for 20 mins. If not, move to Table E, D, C and so on until you find can.
- n) Table B is the first (48 mins max time)
- o) So you need Surface Interval that reduces your SURFACING CODE of 'E' to a new CURRENT TISSUE CODE of 'B'
- p) NEW CTC
- q) Go to SURFACE INTERVAL TABLE LEVEL 1
- r) Go down 'Last Dive SURFACING CODE' column to 'E'
- s) Trace right across row until you hit start of 'B'
- t) Trace upwards to white showing times
- u) Min SI is 4 hrs

10. Question

- a) You enter the water at 8.30am and descend to 18 mtrs. You reach the surface at 9.20am and decide to have a coffee. Another buddy pairing on the same dive trip asks you to help them into the water as they're carrying heavy camera equipment. Having waded in and out again – another coffee beckons. Your own buddy now wants to get back in the water so after a pee break (most important!!), you kit up and are ready to enter the water at 10.25 (your dive plan allowed for entry at 10.30). Your dive objective is a small fishing lying on it's side in 12 mtrs of water and you need at least 15 mins to complete your trip all the way round.
- b) Can you do this dive plan? If not, why not – and what would you need to alter do to be able to complete it? (*What a nasty question tee hee!!!*)
- c) Don't get taken in by the waffle – read through the question and you'll see you're actually only doing 2 dives – the coffees etc are a smoke-screen and helping another buddy pair get in and out does not entail going under water (wading in and out is the clue). So....
- d) DIVE 1
- e) Calculate dive time – $9.20 - 8.30 = 50$ mins
- f) On Level 1 Table A, look down DEPTH column to 18 mtrs
- g) Trace right along row to 50 mins (51mins in this case)
- h) Trace down to row called 'SURFACING CODE'
- i) SC is 'F'
- j) DIVE 2
- k) On Level 1 Tables, start at Table F (highest CTC Ocean Divers can be), trace right along row to last time BEFORE the yellow section i.e. before going into decompression diving
- l) Move upwards to check that you can do 12mtr dive for 15 mins. If not, move to Table E, D, C and so on until you find can.
- m) Table C is the first (24 mins max time)
- n) NEW CTC
- o) Go to SURFACE INTERVAL TABLE LEVEL 1
- p) Go down 'Last Dive SURFACING CODE' column to 'E'
- q) Trace right across row until you hit start of 'C'
- r) Trace upwards to white showing times
- s) Min SI to get to a 'C' is 90 mins
- t) SURFACE INTERVAL
- u) You exited water at 9.20 and want to go back in at 10.25 – SI is only 55 mins.
- v) So no you can't do the dive as planned – you have to extend your SI by another 45 mins (have another cup of coffee!)